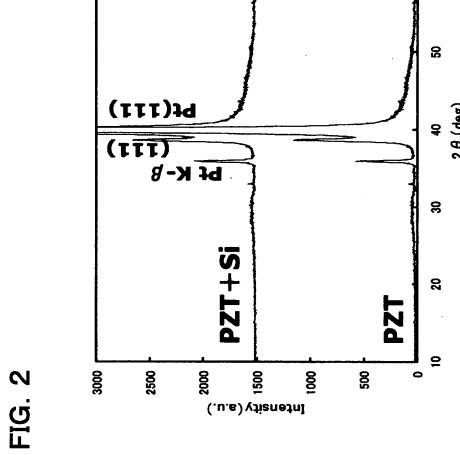


VBM: Valence Band Max



(400)

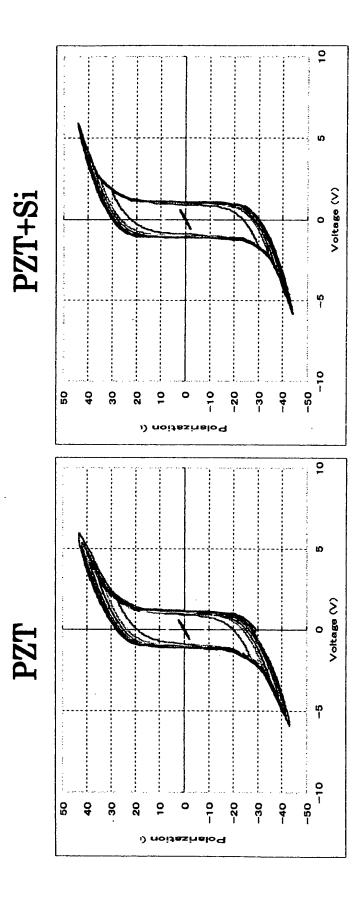


FIG. 4A

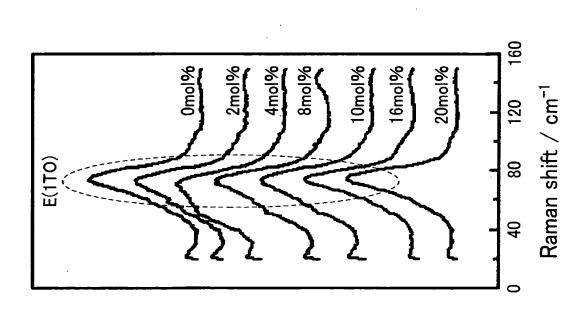
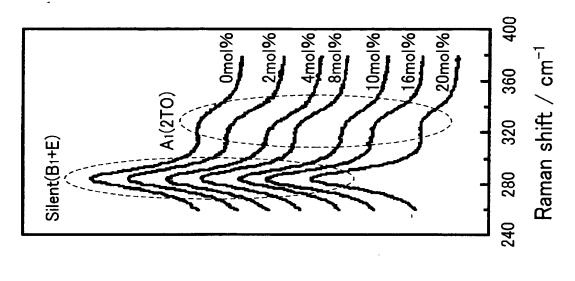


FIG. 4B



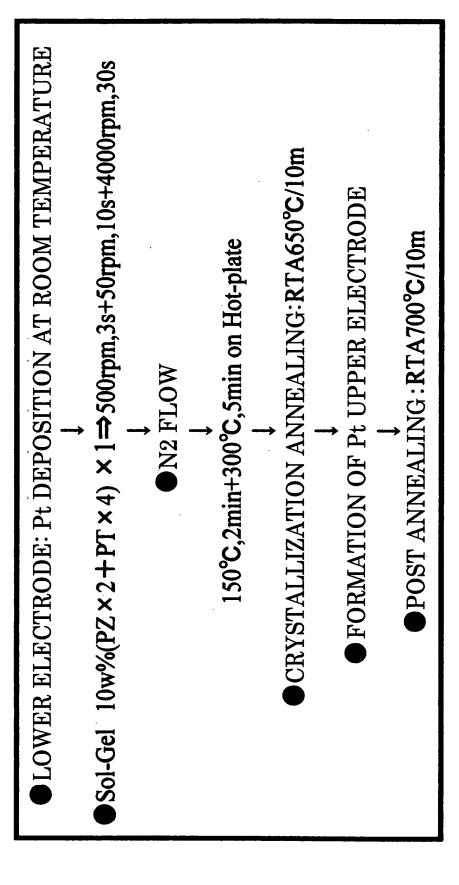
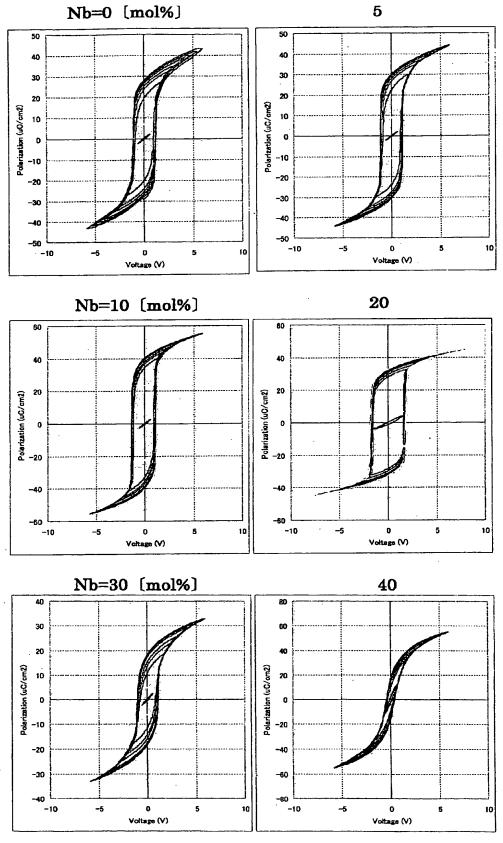


FIG. 6



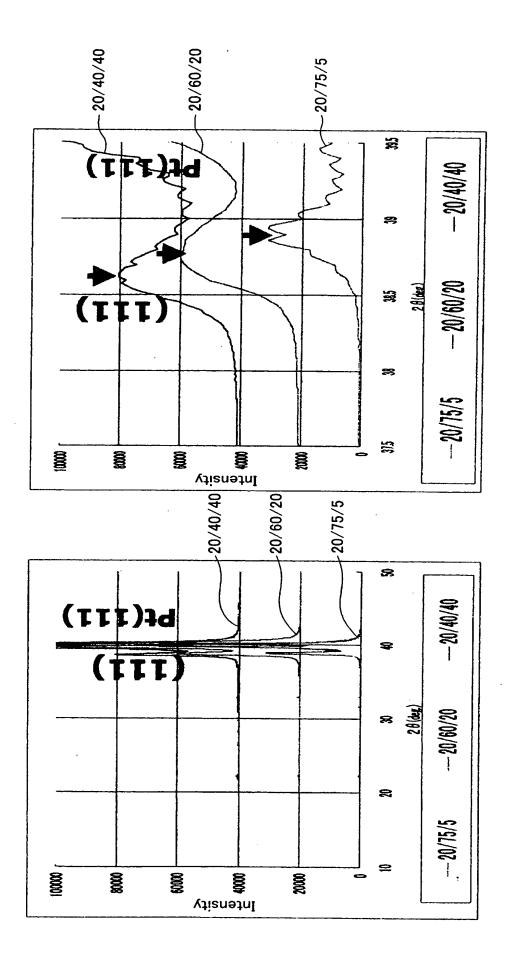


FIG. 8

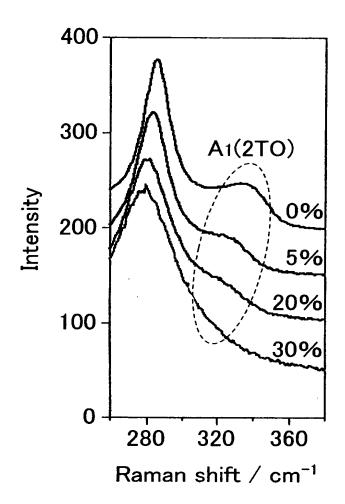
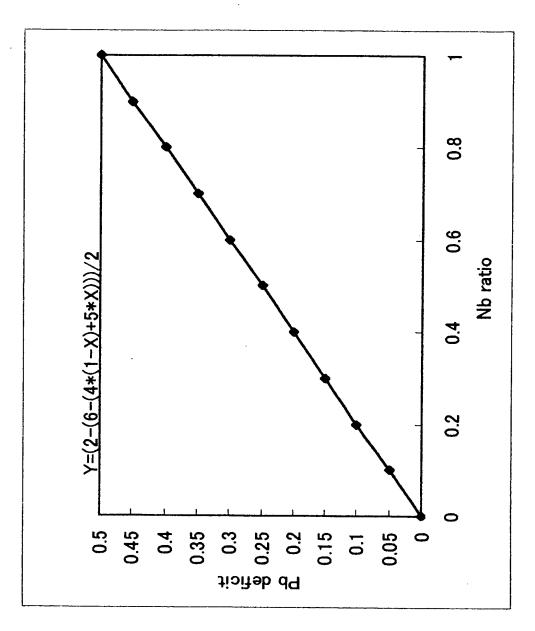


FIG. 9



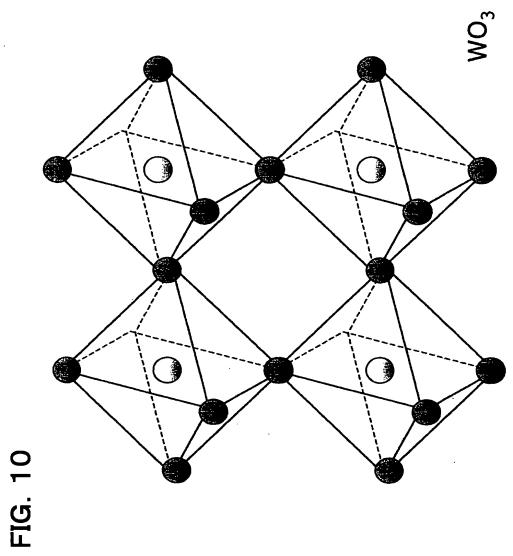
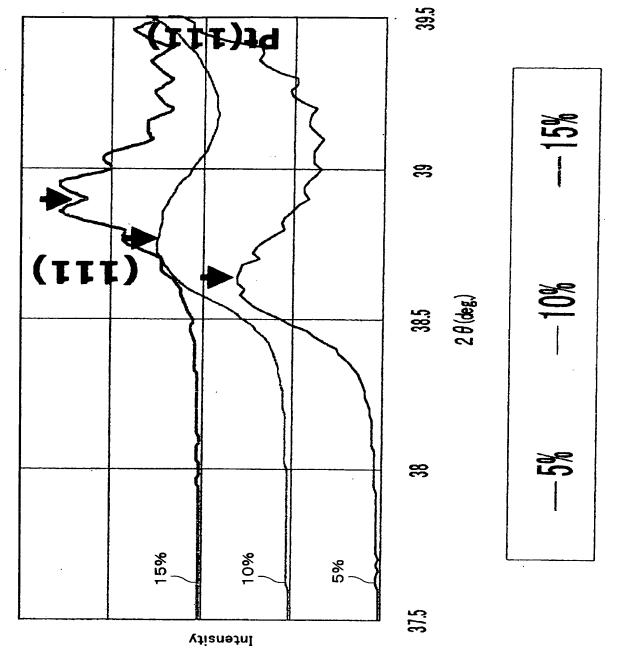


FIG. 11



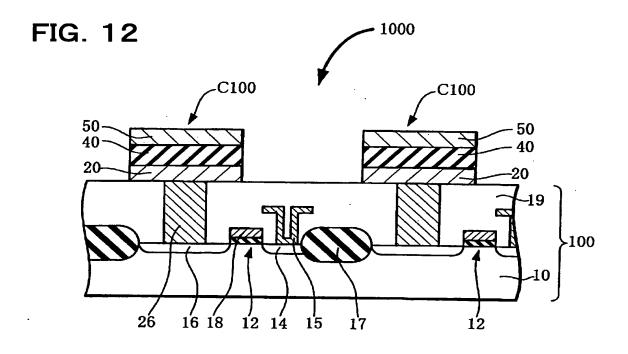


FIG. 13

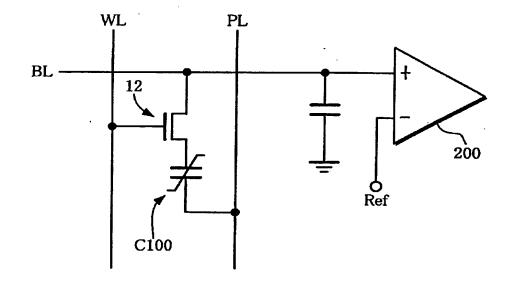


FIG. 14

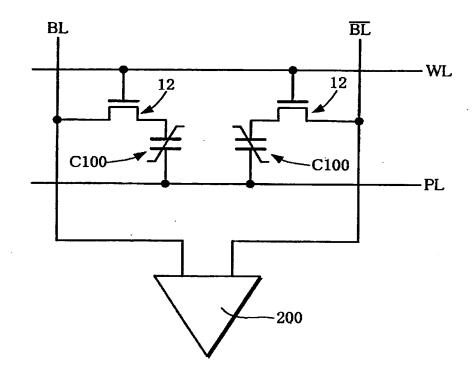


FIG. 15

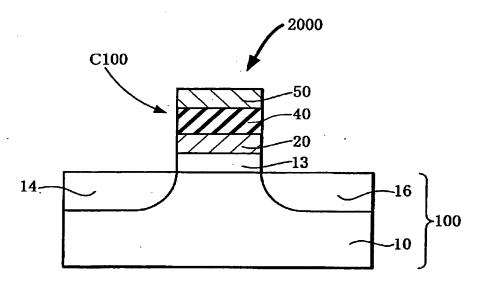


FIG. 16

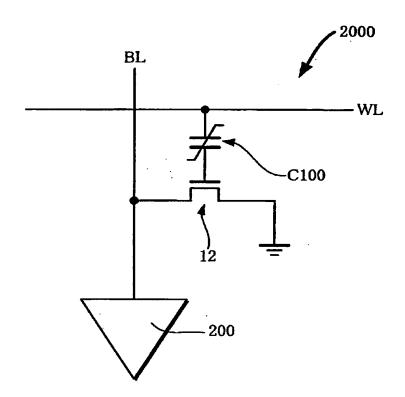


FIG. 17

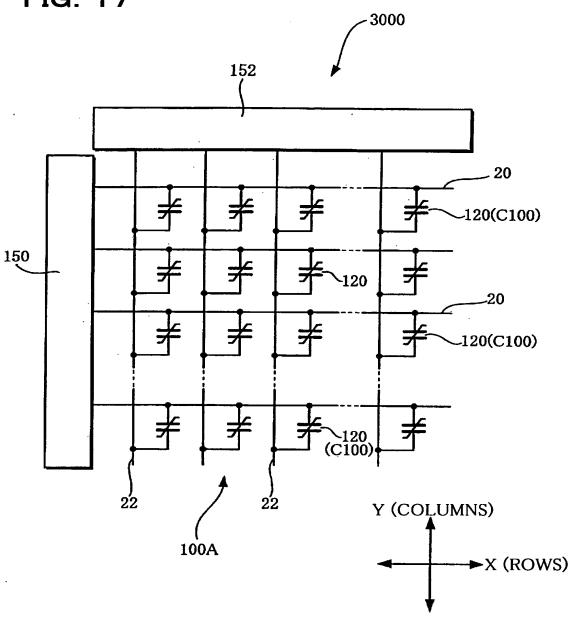


FIG. 18

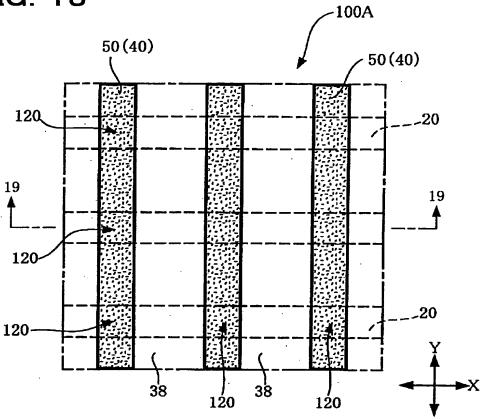
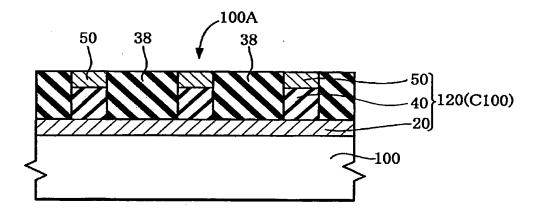


FIG. 19



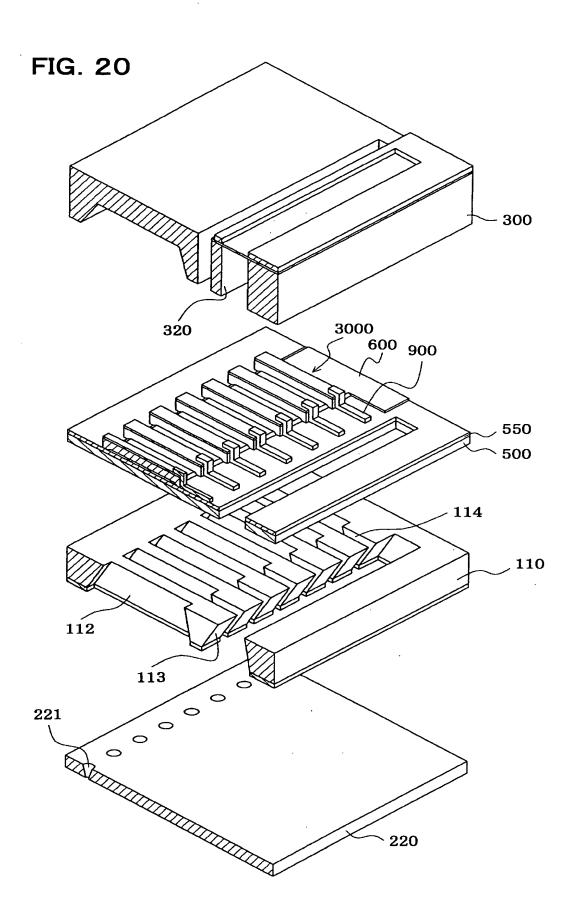
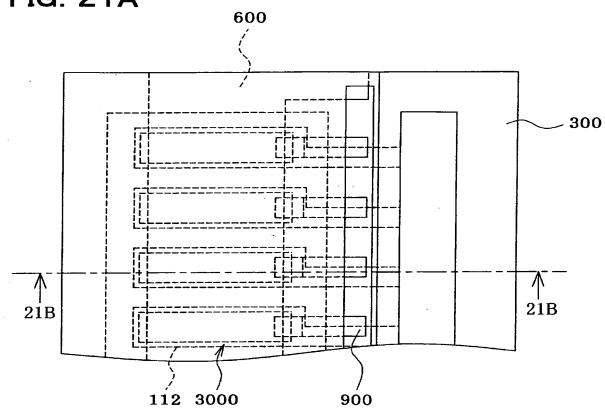


FIG. 21A



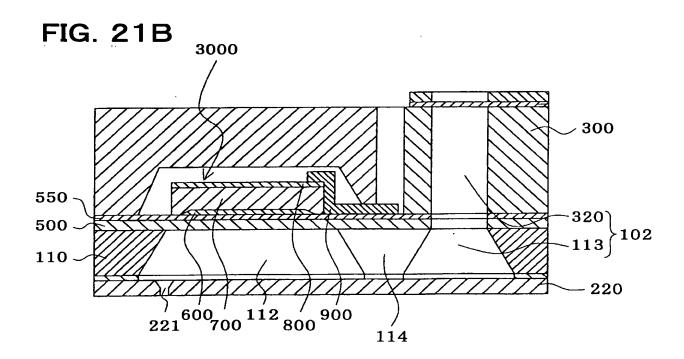


FIG. 22

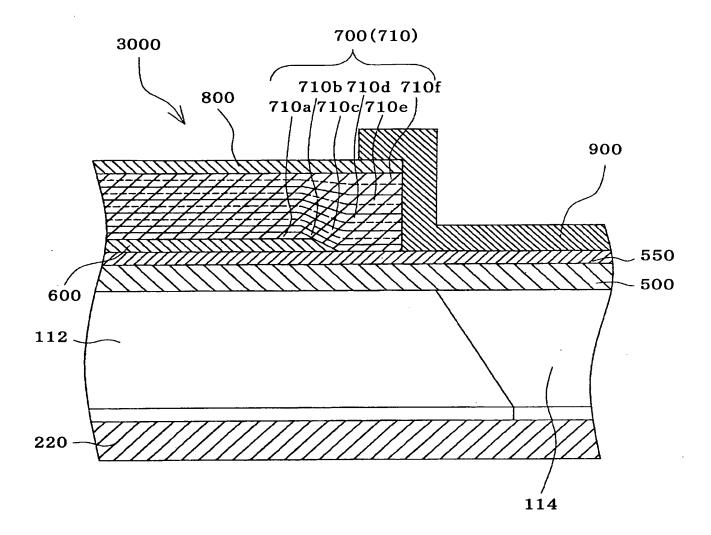


FIG. 23

FIG. 24

```
SPIN COATING (500rpm 5sec → 4000rpm 20sec)

DRYING (150 ℃ 2min in air)

PRESINTERING (400℃ 5min in air)

SINTERING (CRYSTALLIZATION) (600℃ 30min, RTA in 0₂)
```